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## BOMGE U202

# BOMGE U202 USB Audio Interface User Manual

Model: U202 | Brand: BOMGE

## INTRODUCTION

The BOMGE U202 is a compact and versatile USB audio interface designed for high-quality audio recording, streaming, and podcasting. It features two combo XLR/Line/Instrument inputs with 48V phantom power, 32-Bit/192 kHz resolution, and zero-latency monitoring, making it suitable for both beginners and professionals.



Figure 1: Front view of the BOMGE U202 USB Audio Interface.



Figure 2: The BOMGE U202 USB Audio Interface is designed for computer recording, music studio quality, and for guitarists and vocalists.

## SETUP GUIDE

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### 1. Package Contents

Before you begin, ensure all items are present in the package:

- BOMGE U202 USB Audio Interface
- USB Type-B to USB Type-A Cable
- User Manual (this document)

### 2. Connecting to Your Computer

The U202 interface connects to your computer via a USB cable. It supports both USB Type-B and USB Type-C power input.

1. Connect the USB Type-B end of the provided cable to the "USB Audio" port on the rear of the U202.
2. Connect the USB Type-A end of the cable to an available USB port on your computer.
3. For additional power stability, you can connect a 5V/2A DC power adapter (not included) to the "5V/2A DC" port and switch the "POWER SOURCE" toggle to "DC".



Figure 3: Diagram illustrating typical connections for the BOMGE U202, including keyboard, guitar, mic, computer, speaker, and mixer.

# IT SUPPORTS USB/TYPE-C 5V CHARGING

IT SUPPORTS TWO SPECIFICATIONS OF POWER SUPPLY INPUT DESIGN WHICH GREATLY ENHANCES THE PORTABILITY OF USE AND INCREASES THE SENSE OF USE EXPERIENCE



Figure 4: The BOMGE U202 supports USB/Type-C 5V charging, enhancing portability and user experience.

### 3. Driver Installation

The BOMGE U202 is designed for plug-and-play operation with Windows and Mac OS. No additional driver downloads are required.

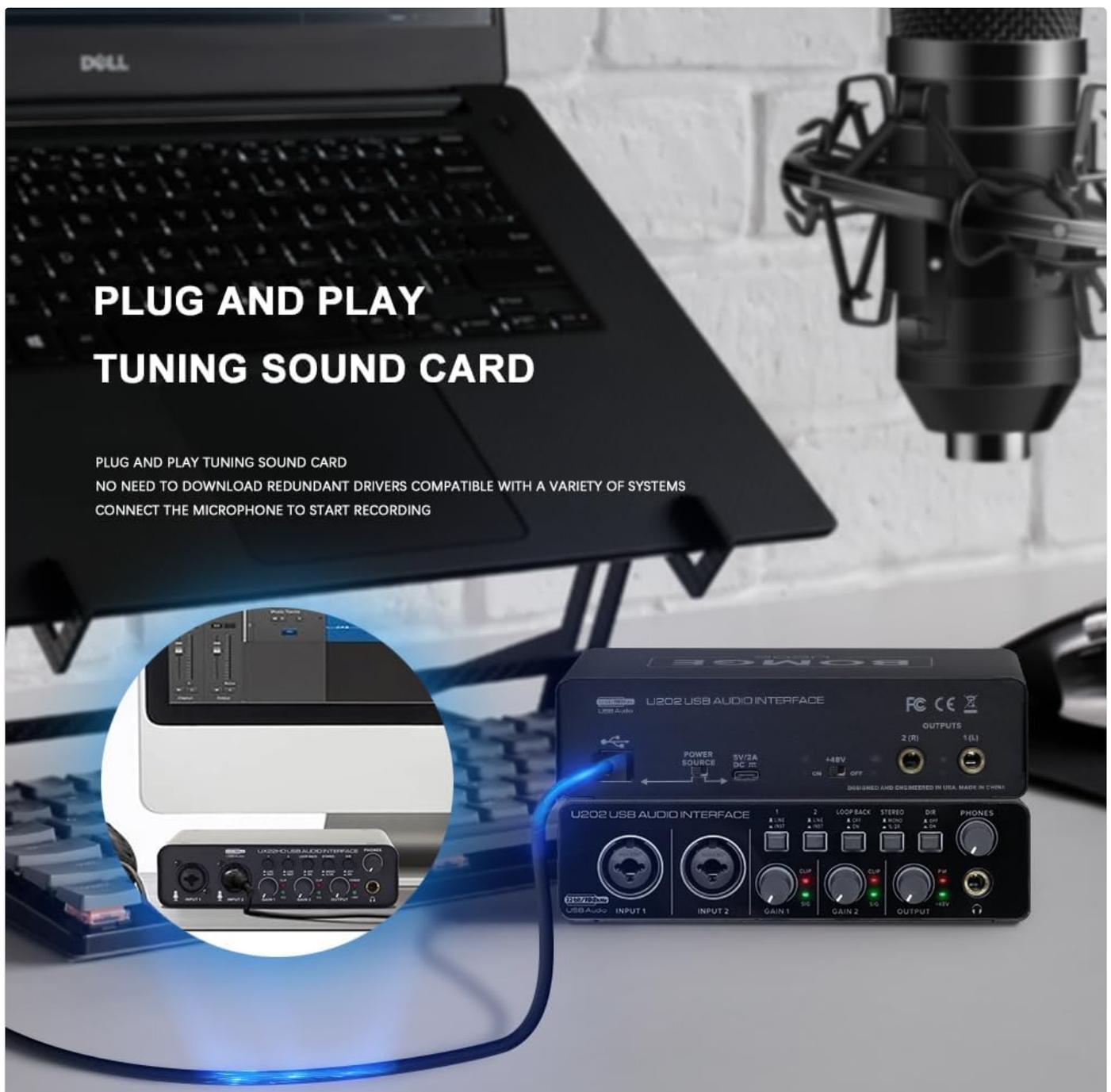


Figure 5: The U202 offers plug-and-play functionality, eliminating the need for redundant driver downloads and allowing immediate recording.

Once connected, your computer should automatically recognize the device. You may need to select "BOMGE U202" as your audio input and output device in your operating system's sound settings or your Digital Audio Workstation (DAW).

#### 4. Software Compatibility

The U202 is compatible with popular recording software, including but not limited to:

- Avid Pro Tools
- Ableton Live
- Steinberg Cubase
- RAPPER
- And many more DAW applications.

## OPERATING INSTRUCTIONS

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# 1. Controls and Connections Overview

Familiarize yourself with the controls and connections on your BOMGE U202 interface.



Figure 6: Detailed diagram of the BOMGE U202's front and rear panels, highlighting all controls and connections.

## Front Panel Controls:

- **INPUT 1 & 2:** Combo XLR/TS jacks for connecting microphones, guitars, or line-level instruments.
- **LINE/INST Switches:** Toggles input type between Line (for keyboards, mixers) and Instrument (for guitars, basses).
- **GAIN 1 & 2:** Adjusts the input gain for Input 1 and Input 2 respectively.
- **CLIP/SIG Indicators:**
  - **SIG (Signal):** Lights up green when an input signal is detected.
  - **CLIP:** Lights up red when the input signal is too strong and clipping (distortion) is occurring. Reduce the GAIN knob if this light illuminates.
- **LOOP BACK Switch:** Enables or disables the loopback function, allowing you to route computer audio back into your recording software for live streaming or podcasting.
- **STEREO/MONO Switch:** Toggles monitoring mode between stereo (separate left/right channels) and mono (summed to both channels).

- **DIR (Direct Monitor) Switch:** Enables zero-latency direct monitoring of your input signals, bypassing computer processing.
- **PHONES:** 1/4" stereo headphone output.
- **HEADPHONE VOLUME:** Adjusts the volume of the headphone output.
- **OUTPUT:** Main output level control for the 1/4" stereo outputs on the rear panel.
- **+48V (Phantom Power) Indicator:** Lights up when 48V phantom power is active.

#### Rear Panel Connections:

- **USB Audio:** USB Type-B port for connecting to your computer.
- **POWER SOURCE Switch:** Selects between USB power and external 5V/2A DC power.
- **5V/2A DC:** Input for an optional external 5V/2A DC power adapter.
- **+48V Switch:** Activates/deactivates 48V phantom power for condenser microphones.
- **OUTPUTS 1(L) & 2(R):** 1/4" TS outputs for connecting to studio monitors or a mixer.

## 2. Connecting Microphones and Instruments

The U202 features versatile combo inputs that accept both XLR and 1/4" TS/TRS connectors.

- **XLR Microphones:** Connect dynamic or condenser microphones using an XLR cable to INPUT 1 or 2. If using a condenser microphone, ensure the +48V switch on the rear panel is set to "ON" to provide phantom power.
- **Instruments (Guitars, Basses):** Connect instruments directly using a 1/4" TS cable to INPUT 1 or 2. Ensure the corresponding LINE/INST switch is set to "INST".
- **Line-Level Devices (Keyboards, Mixers):** Connect line-level devices using a 1/4" TS/TRS cable to INPUT 1 or 2. Ensure the corresponding LINE/INST switch is set to "LINE".

# PROFESSIONAL LOSSLESS DUAL-CHANNEL INPUT INTERFACE

DUAL-CHANNEL INPUT INTERFACE DESIGN  
CAN BE CONNECTED TO A VARIETY OF MICROPHONE DEVICES  
WIDE COMPATIBILITY



Figure 7: The U202 features a dual-channel input interface with XLR and 6.35mm (1/4") AUX inputs, offering wide compatibility for various microphone devices.

### 3. Monitoring and Recording

- **Zero-Latency Monitoring:** Engage the "DIR" (Direct Monitor) switch on the front panel to hear your input signals directly through your headphones or main outputs without any delay from your computer. This is crucial for accurate performance monitoring during recording.
- **Headphone Monitoring:** Connect your headphones to the "PHONES" jack and adjust the "HEADPHONE VOLUME" knob for comfortable listening.
- **Main Output Monitoring:** Connect your studio monitors to the "OUTPUTS 1(L)" and "2(R)" jacks on the rear panel and adjust the "OUTPUT" knob on the front panel.
- **Loopback Function:** The loopback feature allows you to capture audio playing on your computer and mix it with your live microphone or instrument inputs. This is ideal for live streaming, podcasting, or creating content where you need to record both your voice/instrument and computer audio simultaneously. Activate it using the "LOOP BACK" switch.
- **High-Resolution Recording:** The U202 supports up to 32-Bit/192 kHz resolution, ensuring high-fidelity audio

capture for detailed and pristine recordings.



Figure 8: The U202 provides professional zero-delay monitoring, allowing real-time listening in either mono or stereo.

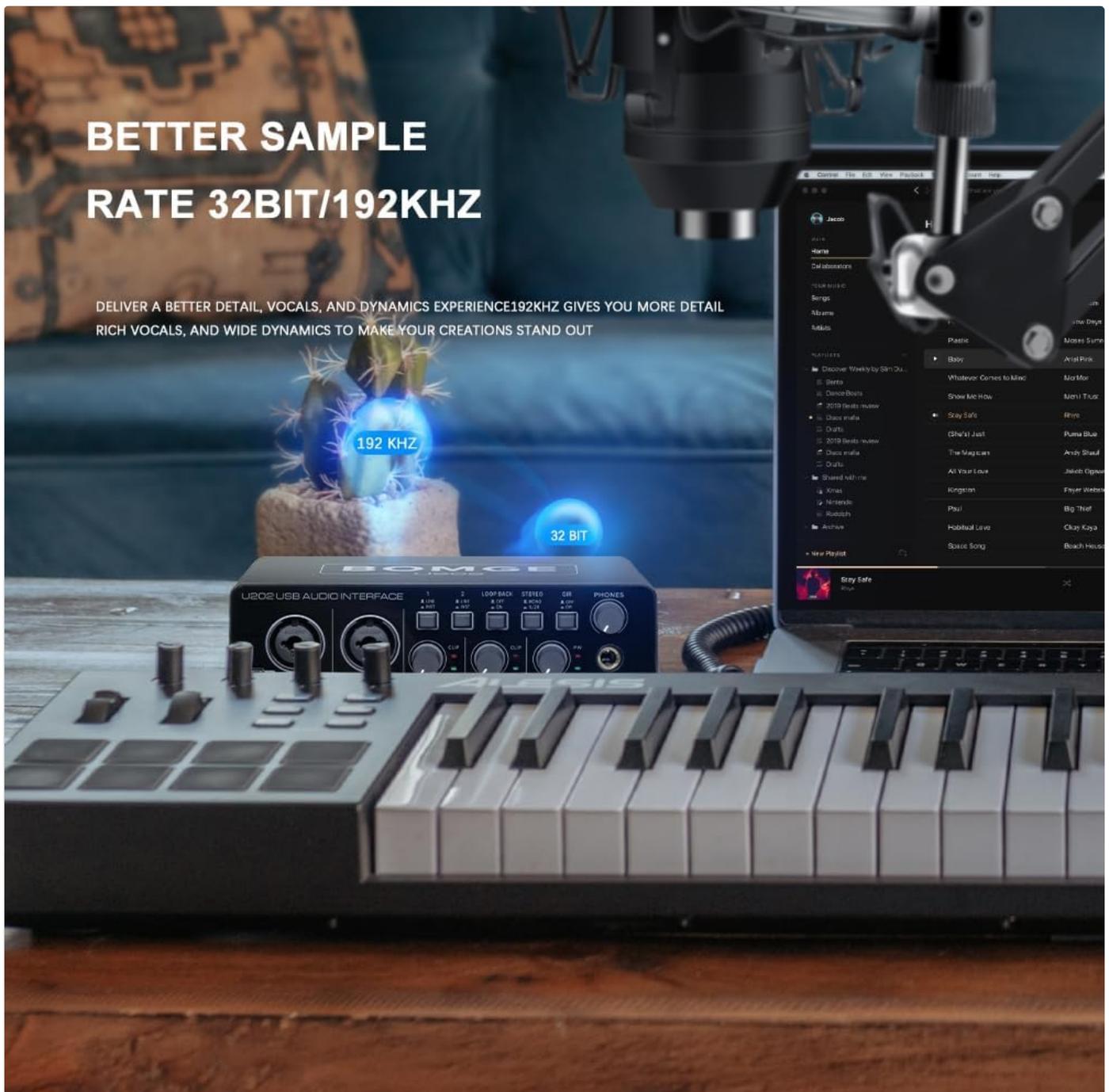


Figure 9: The BOMGE U202 delivers detailed vocals and dynamic experience with 32-Bit/192 kHz resolution.

## 4. Applications

The BOMGE U202 is suitable for a variety of audio applications:

- **Live Podcasting:** Utilize the loopback function to easily integrate background music or sound effects with your live commentary.
- **Music Recording:** Capture vocals and instruments with clarity and detail, suitable for home studio setups.
- **Studio Recording:** Provides essential features for professional-grade audio production.



Figure 10: The BOMGE U202 is ideal for live podcasting, music recording, and studio recording.

Your browser does not support the video tag.

Video 1: An official product video demonstrating the BOMGE U202 USB Audio Interface features and usage. This video highlights key functionalities such as 48V phantom power, dual-channel inputs, direct monitoring, and power input options.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BOMGE U202.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using abrasive cleaners, solvents, or waxes, as they may damage the finish or internal components.
- **Storage:** When not in use, store the interface in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the unit with care. Avoid dropping it or subjecting it to strong impacts.

## TROUBLESHOOTING

If you encounter issues with your BOMGE U202, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power/Unit does not turn on.	Incorrect power source selected or insufficient power.	Ensure the "POWER SOURCE" switch on the rear is set correctly (USB or DC). If using DC, ensure the adapter is 5V/2A. Try a different USB port or cable.

Problem	Possible Cause	Solution
No sound from inputs.	Incorrect gain settings, phantom power off, incorrect input type, or software settings.	Increase GAIN knobs. For condenser mics, ensure +48V phantom power is ON. Verify LINE/INST switch matches your input source. Check your computer's sound settings and DAW to ensure U202 is selected as the input device. Ensure cables are securely connected.
Distorted audio (clipping).	Input signal is too strong.	Reduce the corresponding GAIN knob until the CLIP indicator no longer lights up red.
No sound from headphones/outputs.	Volume too low, incorrect output selection, or software settings.	Increase HEADPHONE VOLUME and OUTPUT knobs. Check your computer's sound settings and DAW to ensure U202 is selected as the output device. Ensure speakers/headphones are properly connected and powered on.
Latency (delay) during monitoring.	Direct monitoring is off or software buffer size is too high.	Engage the "DIR" (Direct Monitor) switch. In your DAW, try reducing the audio buffer size (this may increase CPU load).
Loopback not working.	Loopback function is not enabled.	Ensure the "LOOP BACK" switch is engaged. Verify your software settings are configured to receive the loopback signal.

## SPECIFICATIONS

Feature	Detail
Model Number	U202
Item Weight	1.65 pounds (0.75 kg)
Product Dimensions	6.69 x 4.41 x 1.77 inches (17 x 11.2 x 4.5 cm)
Audio Resolution	32-Bit / 192 kHz
Number of Channels	2 Inputs, 2 Outputs
Inputs	2 x Combo XLR / 1/4" TS/TRS (Mic/Line/Instrument)
Phantom Power	+48V (switchable)
Outputs	2 x 1/4" TS (Main Out), 1 x 1/4" TRS (Headphone Out)
Connectivity	USB (Type-B), 5V/2A DC (Type-C for power input only)
Operating System Compatibility	Windows, macOS (Plug and Play)
Body Material	Metal

# PRODUCT SIZE



Figure 11: Dimensions of the BOMGE U202 USB Audio Interface.

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official BOMGE website or contact their customer support directly. Keep your purchase receipt as proof of purchase.

**BOMGE Music US:** [Visit the BOMGE Store on Amazon](#)

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## Related Documents - U202

	<p><a href="#">BOMGE BMG22 USB Audio Interface Quick Start Guide</a></p> <p>A quick start guide for the BOMGE BMG22, an audiophile 2x2 USB audio interface with 24-bit/192 kHz resolution. Learn about its features, controls, and operation for mobile recording and mixing.</p>
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	<p><a href="#">BOMGE BMG22 USB Audio Interface Quick Start Guide</a></p> <p>A concise guide to setting up and operating the BOMGE BMG22, an audiophile 2x2 USB audio interface with 24-bit/192 kHz resolution, featuring MIDAS preamps, phantom power, direct monitoring, and loopback functionality for recording, mixing, and podcasting.</p>
	<p><a href="#">BOMGE BMG-11S USB Audio Interface User Guide</a></p> <p>Comprehensive user guide for the BOMGE BMG-11S USB Audio Interface, detailing hardware features, connections, specifications, and usage with DAWs for recording and monitoring.</p>
	<p><a href="#">BOMGE Dual Wireless Microphone System User Manual</a></p> <p>User manual for the BOMGE Dual Wireless Microphone System, detailing setup, operation, features, and specifications for headset, stand, and lavalier microphone configurations.</p>
	<p><a href="#">BOMGE BMG-11S User Guide: Premium Audio Interface for Professional Sound Recording</a></p> <p>Comprehensive user guide for the BOMGE BMG-11S audio interface, detailing its features, hardware, specifications, and setup for professional sound recording.</p>
	<p><a href="#">Manual do Usuário: Mixer de Estúdio e Gravação BOMGE 4/6 Canais</a></p> <p>Guia completo do mixer BOMGE de 4/6 canais para DJ e estúdio. Aprenda sobre conexão, operação, solução de problemas e especificações para gravação, streaming e performances ao vivo.</p>